

REMARKS

Prior to entry of this Response, Claims 1-9, 14-20, 25 and 29-31 are pending in the application. The Examiner rejected Claims 1-7 and 14-18 under 35 U.S.C. §112, first paragraph, as failing to comply with the enablement requirement. The Examiner has rejected Claims 1, 14, 15 and 19 under 35 U.S.C. §102(b) as being anticipated by Citation #4 ("Text proposal regarding TFCI coding for FDD", TSGR1#7(99)D69, August 30 - September 3, 1999). The Examiner has rejected Claims 2, 5-9, 17, 18 and 20 under 35 U.S.C. §103(a) as being unpatentable over Citation #4. The Examiner has rejected Claims 3, 4, 16, 25 and 29-31 under 35 U.S.C. §103(a) as being unpatentable over Citation #4 in view of Citation #7 ("Harmonization impact on TFCI and New Optimal Coding for extended TFCI with almost no Complexity increase", TSGR#6(99)970, July 13-16, 1999).

Please cancel Claims 1-7 and 14-18 without prejudice.

Regarding the informality objection to the specification, the Examiner stated that line 15 on page 23 recites "920-907", and that "907" is not a correlation calculator. Line 15 of page 23 has been amended to change "920-907" to "920-927". Based on at least the foregoing amendment, withdrawal of the objection is respectfully requested.

Claims 25 and 31 have been amended. New Claims 32-38 have been added.

The Examiner has rejected Claim 19 under 35 U.S.C. §102(b) as being anticipated by Citation #4 ("Text proposal regarding TFCI coding for FDD", TSGR1#7(99)D69, August 30 - September 3, 1999). It is respectfully submitted that Claim 19 of the present application relates to (64,10) coding. The references, Citation #4 and Citation #7, relate to (32,10) coding for improving (32,6) or (16,5) TFCI coding. Generally, block coding should be defined by unique sequence, puncturing pattern and so on in accordance with a coding length. That is, when a coding length is changed, a completely different code has to be designed by a channel changing the whole coding structure. Accordingly, Claim 19 of the present application, which describes a

“new sequence and puncturing pattern” for (64,10) coding, is distinguished from the references.

Regarding the rejections of Claims 8, 9 and 20 under 35 U.S.C. §103(a) as being unpatentable over Citation #4, and Claims 25 and 29-31 under 35 U.S.C. §103(a) as being unpatentable over Citation #4 in view of Citation #7 (“Harmonization Impact On TFCI And New Optimal Coding For Extended TFCI With Almost No Complexity Increase”, TSGR#6(99)970, July 13-16, 1999), the Examiner states that the specific mask sequences and puncturing patterns would be obvious to one skilled in the art. It is respectfully submitted that the specific mask sequences and puncturing patterns recited in the claims of the present application are not obvious. It is again respectfully submitted that these claims of the present application relate to (64,10) coding. The references, Citation #4 and Citation #7, relate to (32,10) coding for improving (32,6) or (16,5) TFCI coding. Generally, block coding should be defined by unique sequence, puncturing pattern and so on in accordance with a coding length. As stated above, when a coding length is changed, a completely different code has to be designed by a channel changing the whole coding structure. Accordingly, Claims 8, 9, 20, 25 and 29-31 of the present application, which describes a “new sequence and puncturing pattern” for (64,10) coding, is distinguished from the references.

Independent Claims 8, 19, 25 and 29 are believed to be in condition for allowance. Without conceding the patentability per se of dependent Claims 9, 20, 30 and 31, these are likewise believed to be allowable by virtue of their dependence on their respective amended independent claims. Accordingly, reconsideration and withdrawal of the rejections of dependent Claims 9, 20, 30 and 31 is respectfully requested. Furthermore, new dependent Claims 32-38 are believed to be patentable for at least the reasons given above with respect to the independent claims from which they depend.

Accordingly, after entry of this Response, all of the claims pending in the Application, namely, Claims 8, 9, 19, 20, 25 and 29-31, are believed to be in condition for allowance. Should the Examiner believe that a telephone conference or personal interview would facilitate resolution of any remaining matters, the Examiner may contact Applicants' attorney at the number given below.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Paul J. Farrell", is written over the typed name.

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